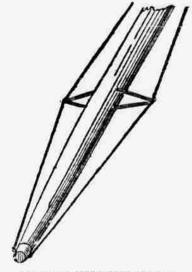
Critics Belighted with the Beautiful Lines. of Her Hull She Is a Fin Keel Pure and Simple-More Nearly Resembles Valley. rie II. Than Any Other Bont Seen Here-A Very Easy Form to Brive, White Her High Centre of Buoyancy tites Her tirent Sall-carrying Power Neat Bilgen and Quarters and a Moderate Beam Heighten the Effect of Her Lines,

Officer months of waiting the veil of mystery which has hidden the Defender, the latest production of Nat Herreshoff's brain, was removed when the great yacht was floated into the Erie Basin dry dock early yesterday morning. While the main features of the latest aspirant for cup honors have been very fully described in the columns of THE SUN, a great deal that has not been told came slowly to light as the water fell away from her shapely hull.

When the full beauty of her lines stood revealed there were many exclamations of delight, and with one voice a number of the yachting sharps pronounced her a finkeel, pure and simple. Others said she was simply an old-fashioned American skitnming di-h with a fixed board, and as a matter of fact the Defender's hull hardly draws six feet outside of the fin.
While the Defender has been compared to almost everything from Vigilant to Colonia and Niagara, her form bears a closer resemblance to Valkyrie II. than to any other boat ever seen in

By this it is not meant that Herreshoff has literally copied Watson, but it seems clear that he has used a great many of Watson's ideas as exemplified in Valkyrie II, and Britannia. The boat, however, is no mere copy of the latest English cutters, for in some ways she is almost as far removed from Valkyrie as she is from Vigilant. The Defender has frequently been spoken of as an improved Colonia, but this is very far from the truth. W. P. Stephens in Forest and Stream, in speaking of this, says:

"The remark has been frequently made of late that Defender is an improved Colonia, but we fall to see that this is at a 'the case; on the contrary, the new boat is of a ther type, lacking all the characteristics of the earlier Herreshoff boats, and denoting an entire change in his methods. An improved Colonia of 90 feet waterline would show a beam of nearly 25 feet, with a strong bilge and powerful section carried down into a very deep keel, the full waterline and general model being retained, though perhaps faired up. The new boat is in beam and draught more of an enlarged Valkyrie II. than Colonia, with even an easier section and



DEVICE FOR STRENGTHENING BOOM. lighter bilge than Valkyrie II., about the same proportionate beam, and a long and fine bow for modern boat. Her sail plan, too, is more like alkyrie II. than like Vigilant and Colonia-a large mainsail and comparatively small head sails, with mast well forward.

"How she will carry her sail will soon be known by actual trial, but it is certain that the model is lacking in that beam and bilge which gave the power heretofore deemed necessary to defend the America's Cup. In general racing been met with in a cup race in twenty years excopt in the last Puritan-Henesta race.

The coming races are important in that the keel boat is on trial in a peculiar way, and if de-feated it will be universally attributed to the fact that she has not a centreboard. Under the circumstances such a conclusion can only be unfair and misleading when it is considered that the distinctively American restures of beam and a marked bilge are entirely lacking. It would certainly seem that, in summing up the faults of Vigilant and Colonia preparatory to designing a new boat, Mr. Herresboff had quite overlooked the strong points of each, those which give power, and which might have easily been retained in a model of easier and better form and improved lateral plane. What he has done, apparently, is to sacrifice al! other considerations to easy form, low weight, and reduced wetted surface."

In almost all the reports from Bristol, and even on as high an authority as C. Oliver Iselin himself, the Defender has been spoken of as a boat of from eighteen to nineteen feet draught. Yesterday for the first time yachtsmen had a

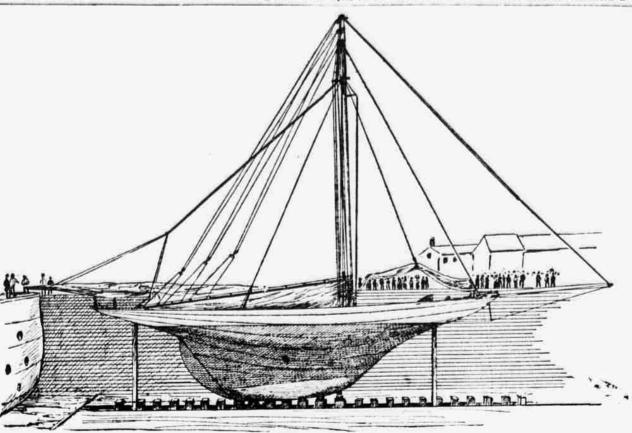
with the way her forefoot is cut away, partially accounts for her great quickness in stays.

Just at the mast the forefoot comes in evidence, and with a fine curve exceeds back for ten feet before taking on a concave sweep which is carried nearly to the lead. This curve, though, is not nearly so pronounced as the same line in Colonia, Vigilant, or Wasn. The forward end of the lead reverses the curve and carries it to the bottom of the keed on about the same sweep it began with. In fact, the bottom of the lead, while an easy curve brings it to the louks like an extended too inversed.

There is not a straight section in the bottom of the lead, while an easy curve brings it to the lower end of the sterapost, the after end of the rudder carving a full aweep up to the buttocks. Her midship section has antily been compared to a champagne glass, with its fullest part twenty feet aft of the mast, while it sweeps about equally fore and att.

There are any number of new wrinkles introduced in the Defender's rigging, including an adjustable truss on the boom, a novel peak nallard bridle, and a patent bowsprit strengthener. The bridle on the boom goes over two folding struts on hinges, so that when not in use it can be folded up close to the boom. These struts extend outward about two feet on each side of the stern and outward about two feet on each side of the stern and outward about two feet on each side of the stern and outward about two feet on each side of the stern and outward about two feet on each side of the stern set outward about two feet on each side of the stern set outward about two feet on each side of the folded up close to the boom. These struts is set up with turnbuckles. This greatly strengthen the boom and prevents it from buckling.

To strengthen the bowsprit an iron bolt has



chance to see the full depth of her hull, and it will doubtless surprise many to hear that instead of eighteen or nineteen feet the Defender's draught is far nearer twenty feet. The keel blocks on which the Defender rested were about a foot and a half above the bottom of the dock, while her water line came just between the twenty-one and twenty-two-foot mark on the dry dock. After this it is not at all surprising how she eats out to windward of the Vigilant or that Mr. Iselin is averse to racing her on the Sound.

In the Defender Designer Herreshoff appar-

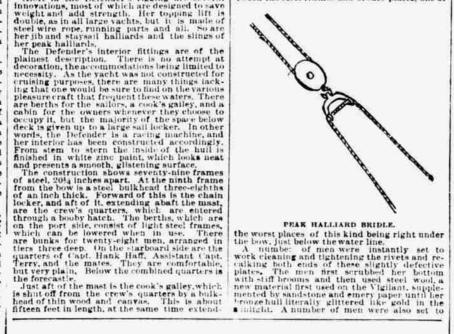
In the Defender Designer Herreshoff apparently was looking for a boat to manœuvre easily, as she is cut away to a tremendous extent forward and aft, which is supplemented by a great rake to her sternport. That she can turn quickly was fully shown by her races off Sandy Hook last Saturday and Monday, and a single glance at her hull plainly tells the reason why. Instead of the long, straight keel of the Vigilant, the Defender has a short, rocker keel like Valkyrie II. and Britannia. Herreshoff's visit to the other side has apparently borne fruit, and he has evidently designed in the Defender a boat of far easier form than the Vigilant.

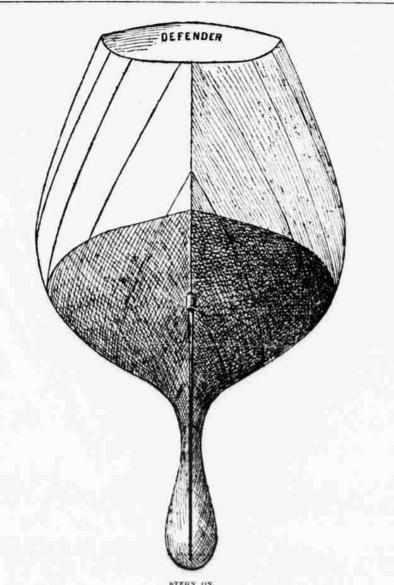
Designer Watson, in his visits to this country. profited in a like manner by his observations of American models. In his older boats, taking the Gloriana and Vigilant as examples, Herreshoff has always get a great deal of power from a large area of water line, round frames, and full lines. In the Defender he has gone in for easy form, getting his power from a great mass of concentrated lead placed very low; in fact, there are times when extreme power costs more | lower than it ever has been placed on a yacht

A VIEW BROADSIDE ON.

block so as to get a batter view of what looked like a slightly corroled plate.

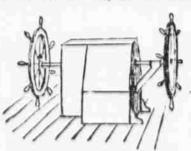
As a matter of fact, the top bronze plate under the chain plate, just ataff the port rigging, appeared to be strained some. There also seemed to be a good deal of corrosion around some of the rivets where the plates meet, caused by a little leak and the consequent actor between the steel frames and bronze plates, one of





This year, for the first time, the increase of

than it is worth and when form pays; but the long experience in cup racing has shown the long experience of an increase of sail spread, from in more particularly expeption. This wear, for the first time, the increase of the vacing the cup racing has shown the challenger has built a space of a shown that it discont exercise in the dark as to the exact sail agreed in the dark as to the exact sail arread bloreader, and more particularly as to how shown cut arread in the long that is considered in the long that it is considered in the long



in these waters more or less until the final races in September.

The new spinnaker being of Irish linen is in color darker by several shades than the sails of Texas cotton. The length of the new spinnaker on the outside leech from the masthead to the end of the spinnaker pole is 160 feet, and from these figures some idea can be gained of the enormous quantity of material in the sail.

NEW YORK YACHT CLUB CRUISE A Full List of Fixtures for the Runs and

The New York Yacht Club's Regatta Committee yesterday issued the full procamme for the August cruise which starts on Monday, July 29, when the fleet will rendezvous at Gien Cove, L. L. The yachts will sail in cruising trim, and

After an uneventful run of six days teresty, there he beard the Sylvin, and of status to No. 9, beard to Sylvin, and of status to No. 9, beard to Sylvin, and of status to No. 9, beard the Sylvin, and of status to No. 9, beard to Sylving the status to No. 1, beard to No.

There were no restrictions about cameras. BROOKLYN STORES: participate, and the in which have always proved such a bugbear to PLATBUSH AV., NEAR FULTON ST. ture of living pictures.

Designers Watern and Herreshoff, and apparent with every shotographer in New York, and throw with was on hand yesterday to get single and the problem was on hand yesterday to get single and the problem was on hand yesterday to get single and the problem was on hand yesterday to get single and the problem was shown at every river (the duck and trook and shown as shown the problem in the problem

wire seizings will be placed around the parts at untervals of two feet, with eight turns to each seizing.

A new boom is also being finished at Bristol for Defender. The spart is of Oregon place, and was shipped there from the Boston Spar Company about a week ago. A proceed has been planed and was shipped there from the Boston Spar Company about a week ago. A proceed has been planed and smoothed down. This spar is 100 feet in length, but is solid instead of being. like the gaff, holder of the best of the best of the best matter and a slight will blew from the Southwest, but is solid instead of being. like the gaff, holder of the solid instead of being. like the gaff, holder of the solid instead of being. like the gaff, holder of the solid instead of being. like the gaff, holder of the solid instead of being. like the gaff, holder of the solid instead of being. It is the gaff, holder of the solid instead of being. It is the gaff, holder of the best of the best did not will be substituted. It is a very fine stick, as there is hardly a knot to be found in it.

As the new sails are to be used in high tweather only, the present solid in high tweather only, the present solid will remain bent when there is anything that approaches a strong breeze, and on the morthing of the big race for the America's Cup between Valkyrie III and Defender, the latter board from the Hattie for the former trainness nearly a length. Note that the present solid of sail that week and been drilled considerably in that work, and been drilled considerably in that work, and have made quite a record in bending and unbending sails, besides changing spars.

The Defender's higher sails, that were cuit at Infantry Hall. Providence, during the week, were sent to Bristol at midnight on Friday. A number of sailmakers were at work on them yesterday, and it is understood that the work give out. If there is any part of the providers of the time was too shert. He passed that some of Duthle. The Defender will return to this of the provider of the transmitte

NORTHWESTERN R. A. REGATTA. Betrott and Toronto Crews Divide the Junter Meners,

St. CLAIR, Mich., July 25. St. Clair is the Mecca for all oarsmen and a great many landsmen in attendance upon the twenty-seventh annual regatta of the Northwestern Rowing Asso-

Heatex. | connection of the latter with the new bridge |
After an uneventful run of six days twenty three |
hours and twenty seven trainates the white Star |
Strang-dup Germanic and to her needs at the foot of |
plaza and the laberty street extension is in-

COME AND SEE

INTO STATUES AND NECESSABLES TO ARTHUR AND COME SABLES TO ARTHUR STATE AND COME



Correcte was badly afflicted with Eczema. Her bead, arms, neck, and limbs were raw and bleed-ing when we concluded to try Curiou na Rismedia, W. begun with Curious, continent) and Curious activities and after the print application we could see a change. After we had used them one week Con Sear, and after the first application we could see a classic. After we had used them one week some of the sores had healed entirely, and ceased to spread. In less than a month, she was free from scales and blemishes, and to-disp has as lovely akin as any child. She was shown at the Grange Falz, and took a premium as the prettiest baby.

Mr. & Mrs. PARK, 100 Belleview Ave., Kan. City.

But everywhere. Porter Drio and Crem. Boston.

A CENTER MEMORIAL CUP

Offered for Competition by a Member of the Senwanbaka Yacht Club,

The Bace Committee of the Seawanhaka-Corrinthian Y. C. has just received a communication from one of its members offering a memorial cup in honor of its late Commodore, Robert Center. which is to be known as the "Center Helmsman's Cup," The following letter explains itself:

Mr. Olivse E. Croonwell, Chateman S. C. Y. C. Bare Com

Desc Soc Had Commodore Center been with us this DEAU NO. Had Commedere Center been with us this season we may be sure that he would have offered a price to the croupeting helmsmen in our coming trial faces of La-footers preparatory to the international contest. In momenty of him, therefore, I beg to offer through the examilities the "Center helmsman price" to be awarded to the anateur belimman whe, in their makenet, handles his hoat in the most seamonthic manner from the preparatory signal of the lifes to the finish of the last trial race, Yours very traily.

NEW YORK, July 20.

THEODOME C. ZEREGA.

the lirst to the finish of the last trial race, Yours very traily.

New York, July 20.

Apropos of the Minama Club's challenge in Mr. Brand's behalf for the Seawathaka's international small-ised trophy, it is said that some delay has been caused by different ideas about the size of spinnakers.

Mr. Brand wanted to limit them to about 40 square feet, while over here this was thought to be entirely too small. It is said a commonlise has been effected on a basis of four lengths of the total area of the mainsail and jib, which will give a screenly or eighty foot spinnaker.

Rutherford Wing Shots Score High at Union Hill.

There was quite a gathering of crack wing shot- at the grounds of the Union Hill Gun Club, Guttenburg, N. J., yesterday afternoon. It was the time fixed for holding the sixth monthly team contest in this year's series of the New Jersey Trap Shooters' League. The league is composed of the nine leading gun clubs located in different parts of the State. The conditions of the shoot are five men to a team, each to fire at twenty-five binerocks, known each to fire at twenty-five bluerocks, known trajes, unknown angles, under the five-trap, rapids-firing system, while the rules of the American Shooting Association govern. The quinter from the Boiling Springs Fishing and Gan Club of Ruberford proved their superlority over seven rival teams, besides making a record score by breaking 115 out of a possible 125 bluerocks. The three remaining shoots of the series will be held respectively on the grounds of the Climax Club, The scores.

South 5.2 club. The scores.

Boiling Springs Union and our Club of Ruberford.

n truly of Springfield Noel Money, 21; Milier, 21; Jackson, 19; Taylor, 14. Total 10.

Endeavor unn Cube of Jersey City Heights Collins, 21. Prector, 20. Engram, 18. Piercy, 18. Strader, 17. Total, 94.
South Side Gun Club of Newark Heiden, 20. Thomas, 20. Geoffrey, 19. Herrington, 10. Terrill, 12. Idal, 87. Total 87. Union Hill Gua Club of Guttenburg— Wands (Mrs. Lindsley, 22. Universiter, 11. Hughes, 12. Buttenburg, 11. Sullivan, 9. Total, 72.

Why dim Corbett Believes He Will Whip Bob Fitzstmmons,

Washington, July 25, -A Washington man who spent two days last week at Jim Corbett's ciation. The meeting is a success, the entries training quarters at Asbury Park, and who has being more numerous than at any of the meet-ings since the National and the Northwestern accident to Corbett yesterday is not likely to associations held their big four-day meet in | interfere in any way with his coming fight with Fitzsimmons because of the delay which it will Ex-Champion Ed Hanlay of Toronto arrived | make in his training. Corbett says that three

Gove, L. 1.

Cove, L. 1.

Cove,

Beates Set top the Less no Ball, Coughing Pass of Frank during an Italian barber of this place, of Frank during an Italian barber of this place,